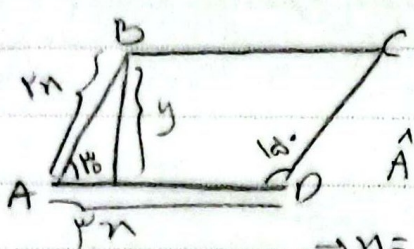


٢٥

درسا صافى / اس - يازم دفتد A



$xy = \Delta F \Rightarrow ny = 11$

(١١)

$\hat{A} = 90 \rightarrow y = \frac{rx}{y} = n \rightarrow nr = 11$

5

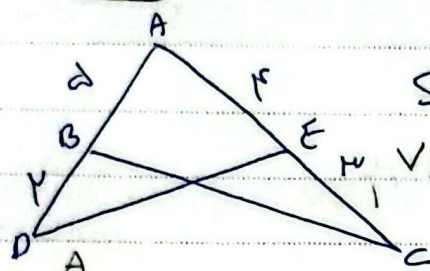
$\Rightarrow n = 3\sqrt{2}$

$AB = 4\sqrt{2}, AD = 9\sqrt{2}$

$30\sqrt{2}$

$= 4\sqrt{2}(d)$

$= 12\sqrt{2} + 18\sqrt{2} : \text{سيف}$

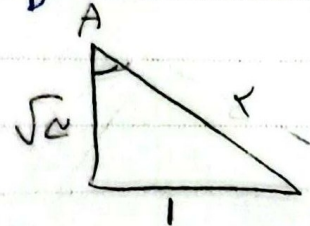


$S_{ABC} - S_{ADE} = 11\sqrt{2} \sin A$

$\frac{1}{2} \times \Delta \times \frac{1}{r} \times \sin A - \frac{1}{2} \times \Delta \times \frac{1}{r} \times \sin A = \frac{V}{E}$

$11\sqrt{2} \sin A - 1E \sin A = \frac{V}{E}$

5



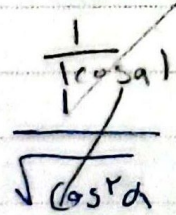
$\frac{\sqrt{3}}{r} \sin A = \frac{V}{E} \rightarrow \sin A = \frac{1}{r}$

$\tan A = \frac{\sqrt{3}}{1}$

+ ولس

$\frac{|\sin \alpha|}{\cos \alpha} = \frac{-\sin \alpha}{\cos \alpha} \Rightarrow \sin \alpha < 0$

(٣٠)



$\frac{\sin \alpha}{\cos \alpha} = \frac{1}{|\cos \alpha|} + \frac{\sin \alpha}{|\cos \alpha|} \rightarrow \frac{\sin \alpha}{\cos \alpha} = \frac{\sin \alpha}{|\cos \alpha|}$

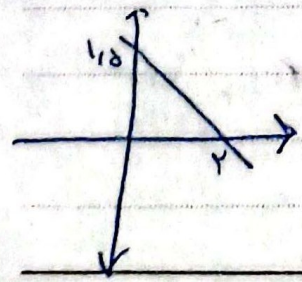
5

$\rightarrow \cos \alpha < 0$

(٣١)

$\tan(\frac{\pi}{4} - \alpha) = \cot \alpha$

(٤٤)



$y = ax + b \xrightarrow{(0,0)} y = \frac{1}{a}x + 1/\delta \rightarrow a = -\frac{1}{\delta}$

$\rightarrow \tan \alpha = -\frac{1}{\delta} \Rightarrow \cot \alpha = -\frac{\delta}{1}$

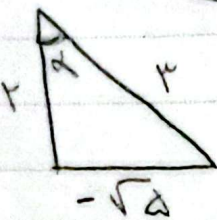
5

$$\frac{\mu \cos(\mu \alpha) - \mu \sin(\mu \alpha)}{\sin(\mu \alpha) - \cos(\mu \alpha)} = \frac{\mu \cos\left(\frac{\mu M}{\mu} - \mu \alpha\right) - \mu \sin(\mu - \mu \alpha)}{\sin(\mu + \mu \alpha) - \cos\left(\frac{\mu M}{\mu} + \mu \alpha\right)}$$

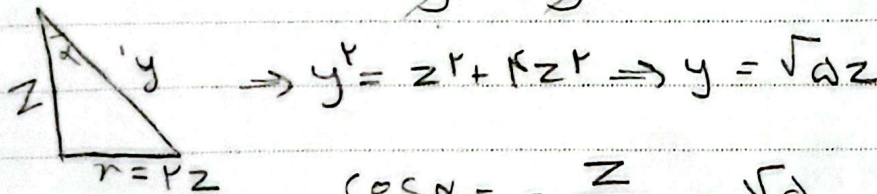
$$= \frac{-\mu \sin(\mu \alpha) - \mu \sin(\mu \alpha)}{-\sin(\mu \alpha) - \sin(\mu \alpha)} = \frac{-2 \sin(\mu \alpha)}{-2 \sin(\mu \alpha)} = \mu, d$$

$$\frac{\sin\left(\frac{M}{\mu} + d\right) - \sin(d - M)}{|\tan^2 d - 1|} = \frac{\cos \alpha + \sin \alpha}{\frac{1}{\mu}}$$

$$= \frac{\frac{\mu}{\mu} - \frac{\sqrt{d}}{\mu}}{\frac{1}{\mu}} = \frac{\mu - \sqrt{d}}{\frac{1}{\mu}} = \mu(\mu - \sqrt{d})$$



$$\sin \alpha = \mu \cos \alpha \rightarrow \frac{x}{y} = \frac{\mu z}{y} \rightarrow x = \mu z$$



$$\cos \alpha = -\frac{z}{\sqrt{d} z} = -\frac{\sqrt{d}}{d}$$

$$\tan 40^\circ = \sqrt{\mu} \quad \frac{-\mu m}{m^2 - 1} = \sqrt{\mu} \Rightarrow \sqrt{\mu} m^2 - \sqrt{\mu} = -\mu m$$

$$\rightarrow \sqrt{\mu} m^2 + \mu m - \sqrt{\mu} = 0 \rightarrow m^2 + \mu m - \mu \sqrt{\mu} = 0 \quad (\mu + \mu)(m - 1) = 0$$

$$\Rightarrow m \left\{ \begin{array}{l} \frac{-\mu}{\sqrt{\mu}} = -\sqrt{\mu} \\ \frac{1}{\sqrt{\mu}} = \frac{\sqrt{\mu}}{\mu} \end{array} \right. \left\{ \left| \frac{\sqrt{\mu}}{\mu} + \sqrt{\mu} \right| = \frac{\sqrt{\mu} + \mu \sqrt{\mu}}{\mu} = \frac{\mu \sqrt{\mu}}{\mu} \right.$$


Arman

$$-\frac{\sqrt{\mu}}{\epsilon} < n < \frac{\sqrt{\mu}}{\epsilon}$$

$$\tan\left(\frac{\mu}{\epsilon} - n\right) = \frac{1-m}{\mu+m}$$

(9.11)

$$x-1 \downarrow -\frac{\mu}{\epsilon} < -n < \frac{\mu}{\epsilon} \rightarrow \frac{+\mu}{\epsilon}$$

$$0 < -n + \frac{\mu}{\epsilon} < \frac{\mu}{\epsilon}$$


10

$$\frac{1-m}{\mu+m} > 0$$

$$\frac{-r}{-|+| -} \Rightarrow (-r_0, 1)$$

$$\tan(\mu_0) \cos(\mu_0) + \tan(\epsilon \mu_0) \sin(\mu_0)$$

(10.1)

$$-\sqrt{\mu} x - \frac{\sqrt{\mu}}{\mu} = +\frac{\mu}{\mu} + \left(-\frac{\mu}{\mu}\right) = 0$$

$$\frac{\mu \epsilon \cdot \mu \mu}{\sqrt{\mu_0} \mu}$$

15

$$\tan(\mu_0) \times \sin(\mu_0) = \sqrt{\mu} \times \frac{\sqrt{\mu}}{\mu} = -\frac{\mu}{\mu}$$

20